

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-46. (canceled)

47. (currently amended) A gas atom containing fullerene which is obtained by the method ~~of claim 29~~ comprising the steps of introducing a gas containing atom to be doped into a plasma generating chamber, generating a plasma in the plasma generating chamber, causing the generated plasma to plasma flow, introducing fullerenes into the plasma flow thereby ionizing the fullerenes, and binding ions derived from the atom to be doped to ionized fullerenes thereby causing gas atom containing fullerenes to be formed.

48. (original) A gas atom containing fullerene containing a hydrogen ion, a nitrogen ion or a halogen gas ion.

49. (original) The gas atom containing fullerene as described in Claim 48 that has no modifying group attached thereto.

50. (original) The gas atom containing fullerene as described in Claim 48 that has a modifying group attached thereto.

51-52. (canceled)